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CLAIMS

What is claimed is:

1. An apparatus that develops an algorithmic representation based on a textual source code, comprising:

first logic, the first logic deriving algorithmic flow information from the textual source code; and

second logic, the second logic using hierarchical Flow Structure Markup Language grammar to encode the algorithmic flow information and the textual source code to create the algorithmic representation.

- 2. The apparatus of claim 1, wherein the algorithmic representation is viewable as a flowchart and wherein the flowchart can be graphically edited.
- 15 3. The apparatus of claim 1, wherein the Flow Structure Markup Language grammar is Extended Markup Language (XML)-complaint Flow Structure Markup Language grammar.
 - 4. The apparatus of claim 1, wherein the Flow Structure Markup Language grammar is non-XML-complaint Flow Structure Markup Language grammar.
 - 5. The apparatus of claim 2, wherein editing the flowchart results in the textual source code being automatically edited.
- 6. A method for developing an algorithmic representation based on a textual source code, the method comprising the steps of:

deriving algorithmic flow information from the textual source code; and using hierarchical Flow Structure Markup Language grammar to encode the textual source code and the algorithmic flow information to create the algorithmic representation.

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- 7. The method of claim 6, wherein the algorithmic representation is viewable as a flowchart, wherein the flowchart can be graphically edited.
- 5 8. The method of claim 6, wherein the Flow Structure Markup Language grammar is XML-complaint Flow Structure Markup Language grammar.
 - 9. The method of claim 6, wherein the Flow Structure Markup Language grammar is non-XML-complaint Flow Structure Markup Language grammar.
 - 10. The method of claim 7, wherein the textual source code is edited based on the edit of the flowchart.
 - 11. A computer program for developing an algorithmic representation based on a textual source code, the computer program being embodied on a computer-readable medium, the computer program comprising:
 - a first logic, the first logic deriving algorithmic flow information from the textual source code; and
 - a second logic, the second logic using hierarchical Flow Structure Markup Language grammar to encode the textual source code and the algorithmic flow information to create the algorithmic representation.
 - 12. The computer program of claim 11, wherein the algorithmic representation is viewable as a flowchart, wherein the flowchart can be graphically edited by an editing logic.
 - 13. The computer program of claim 11, wherein the Flow Structure Markup Language grammar is XML-complaint Flow Structure Markup Language grammar.

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- 14. The computer program of claim 11, wherein the Flow Structure Markup Language grammar is non-XML-complaint Flow Structure Markup Language grammar.
- 15. The computer program of claim 12, wherein a second editing logic edits the textual source code based on the editing of the flowchart.
 - 16. A means for developing an algorithmic representation based on a textual source code, comprising:

deriving algorithmic flow information from the textual source code; and using hierarchical Flow Structure Markup Language grammar to encode the textual source code and the algorithmic flow information to create the algorithmic representation.

- 17. The means of claim 16, wherein the algorithmic representation is viewable as a flowchart, wherein the flowchart can be graphically edited.
- 18. The means of claim 16, wherein the Flow Structure Markup Language grammar is XML-complaint Flow Structure Markup Language grammar.
- 19. The means of claim 16, wherein the Flow Structure Markup Language grammar is non-XML-complaint Flow Structure Markup Language grammar.
 - 20. The means of claim 17, wherein the editing of the flowchart automatically edits the textual source code.

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